

Notice of Allowability

Application No.

09/751,803

Examiner

Thomas H. Stevens

Applicant(s)

ROESNER ET AL.

Art Unit

2123

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 03/28/2006 and response 04/03/2006.
2. ☒ The allowed claim(s) is/are 1,4,5,8,9 and 12.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

1. Claims 1,2,4-6,8-10,12-15 were previously examined.
2. Claims 2,3,6,10,11,13-15 are cancelled.
3. Claims 1,4,5,8,9, and 12 were examined.

Drawings

4. Drawings submitted on 3/28/06 were accepted.

Allowable Subject Matter

5. Claims 1,4,5, and 8 are allowed.

Examiner's Amendment

6. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mathew Baca, on, 3/23/06, 3/30/06, 5/09/06.

Claim 1, line 14, replace the word "the" with the word -- a -- .

Claim 5, line 14, replace the word "the" with the word -- a -- .

Claim 9, line 15, replace the word "the" with the word -- a -- .

Claim 1, line 15, replace the phrase "of the port" with the phrase -- of a port --.

Claim 5, line 15, replace the phrase "of the port" with the phrase -- of a port --.

Claim 9, line 16, replace the phrase "of the port" with the phrase -- of a port --.

Claim 9 line 1 delete "computer program product" and replace it with -- computer-readable medium having encoded thereon computer-executable instructions -- .

Claim 9, line 4 , delete "computer program product including" and delete " for"

Claim 12, line 1 delete , "computer program product" and replace it with -- computer readable medium -- .

7. The following is an examiner's statement of reasons for allowance:

While US Patent 6,223,142 teaches (claims 1 and 5) a computer-aided design and verification system a method for facilitating signal override in a simulation model of a digital circuit design that includes one or more design entities described utilizing a hardware description language (HDL), said method comprising: instantiating an instrumentation entity within at least one of said one or more design entities using port mapping fields designated by a non-conventional HDL comment syntax, said non-conventional HDL comment processed by a post-compiler model build process, wherein said non-conventional HDL comment syntax is recognized by an HDL compiler such that the HDL compiler does not instantiate said instrumentation entity into the digital circuit design, said port mapping fields further including: a port name field; Wu et al., ("Digital PWM Control: Application in Voltage Regulation Modules") teaches (claims 1, 5 and 9) a post-compile model build process an input port map field containing data representing an input port at which said instrumentation entity receives a designated signal to be overridden and an output port mapping field comprising an override signal field specifying the name of said override signal, specifying the name of the port from

which said override signal is output from said instrumentation entity, and a target signal field specifying the name of said designated signal to be overridden; Improv Systems Inc., teaches (claims 1, 5 and 9) said non-conventional load tool instantiate said instrumentation entity during a post-compile; none of these references, taken either alone or in combination, with the prior art of record disclose

(claims 1, 5 and,9) "generating signal selection means within said simulation model for selectively overriding said designated signal with said override signal responsive to said post-compiler instrumentation load tool processing said port mapping fields; and wherein said output port mapping field further comprises a control port field specifying an output port for delivering an override enable signal to said signal selection means,"

in combination with the remaining elements and features of the claimed invention. It is for these reasons that the applicants' invention defines over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Correspondence Information


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mr. Tom Stevens whose telephone number is 571-272-3715, Monday-Friday (8:00 am- 4:30 pm EST).

If attempts to reach the examiner by telephone are unsuccessful, please contact examiner's supervisor Mr. Paul Rodriguez 571-272-3753. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Answers to questions regarding access to the Private PAIR system, contact the Electronic Business Center (EBC) (toll-free (866-217-9197)).

March 30, 2006

TS


Paul L. Rodriguez 5/19/06
Primary Examiner
Art Unit 2125-2123